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	Application No.	Applicant(s)	(PN)
	10/693,908	MOON, SEONG HAK	<u>A</u>
Notice of Allowability	Examiner	Art Unit	
	Wilson Lee	2821	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is	in this application. If not included nunication will be mailed in due coul	rse. THIS
1. This communication is responsive to 3/17/05.			
2. The allowed claim(s) is/are 2-6 and 8-20.			
3. \boxtimes The drawings filed on <u>28 October 2003</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Applicat	ion No	from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the require	ements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF
 6. CORRECTED DRAWINGS (as "replacement sheets") muss (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the standard of the depondence of the same of the depondence of the same of t	son's Patent Drawing Revie s Amendment / Comment of .84(c)) should be written on he header according to 37 C sit of BIOLOGICAL MA	or in the Office action of the drawings in the front (not the bac FR 1.121(d). TERIAL must be submitted. Note	•
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper No 98), 7. ☐ Examiner	Informal Patent Application (PTO-18 Summary (PTO-413), b./Mail Date Is Amendment/Comment Is Statement of Reasons for Allowar Wilson Lee Primary Examiner Art Unit 2821	

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Allowable subject matter

Claims 2-6, 8-20 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art neither discloses nor suggests a method or apparatus for eliminating contamination of a FED comprising the following limitations, as disclosed in the independent claims 2, 3, 4, 5, 8, 9, 12, 15 and 18:

- 1) a predetermined voltage is applied to a scan driving unit of the FED when the second high voltage pulse is applied to the anode electrode such as required by claim 1;
- 2) the first voltage pulse is outputted to the anode electrode of the panel for a preset pre-aging time such as required by claims 3 and 4;
- 3) the width of the second high voltage pulse is gradually increased with the passage of time such as required by claim 5;
- 4) the aging controlling unit applies a predetermined voltage to scan driving unit of the FED in applying of the second voltage pulse to the anode electrode such as required by claim 8;
- bigh voltage pulse having uniform frequency and duty cycle for a preset pre-aging time, converts the direct current high voltage into a high voltage pulse having frequency and duty cycle varied with the passage of time for a preset main aging time and applies a predetermined voltage to the scan driving unit for the main aging time such as required by claim 9;

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6) the aging controlling unit further includes a means for converting the first and second high voltage pulse into a high voltage pulse of low energy, herein, width of the second high voltage pulse is gradually increased with the passage of time such as required by claim 12;

- 7) applying first high voltage pulse the converted first high voltage pulse to an anode electrode of a panel for a preset pre-aging time; and converting a direct current high voltage into a second high voltage pulse having variable frequency and duty cycle and applying the converted second high voltage pulse to the anode electrode of the panel for a preset main aging time such as required by claim 15;
- 8) a means for converting the direct high voltage into a second high voltage pulse having variable frequency and duty cycle and applying the converted second high voltage pulse to the anode electrode of the panel for a preset main aging time; and a means for applying .a predetermined voltage to a scan driving unit of the FED in applying of the second high voltage pulse to the anode electrode such as required by claim 18.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Wilson Lee whose telephone number is (571) 272-1824.

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Wilson Lee

Primary Examiner

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